

# 中国森林树木小志(一)

## NOTULAE AD FLORAM SILVATICAM SINENSEM (I)

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### 1. 提琴叶黄得木

乔木,高10米;小枝颇粗壮,有条纹,几无毛,灰褐色。叶坚纸质,倒卵状矩圆形至提琴形,长23—33厘米,阔7—9.5厘米,顶端短渐尖至有细尖,基部楔形,全缘,无毛,中脉与侧脉在上面凹陷,在下面凸起,侧脉互生或几对生,约16对,弯曲,以 $60^{\circ}$ — $70^{\circ}$ 角开张;叶柄粗壮,无毛,长2.5—3厘米。花未发现。果序成圆锥状,长约11厘米;果卵圆形,长2.5厘米,直径1.6厘米,无毛,褐色;果皮木革质,厚1.8毫米;假种皮自基部开裂;种子长圆形,长1.8厘米,阔1.1厘米。

云南:允景洪,橄榄坝,生于混生林中,乔木,高10米,果褐色,常见,王启无79862号(模式标本),1938年10月。

此种似与 *H. tonkinensis* H. Lec. 相近似,不同处在于具甚大倒卵状矩圆形至提琴形叶。

### *Horsfieldia pandurifolia*, sp. nov.

Arbor 10 m. alta; ramuli satis robusti, teretes, striati, glabrescentes, cinereo-brunnei. Folia chartacea, obovato-oblonga vel panduriformia 23—33 cm. longa, 7—9.5 cm. lata, apice breviter acuminata vel apiculata, basi cuneata, margine integra, glabra, costa nervisque supra impressis, subtus elevatis, nervis lateralibus alternatis vel suboppositis, circiter 16-jugis, camptodromis, ad angulum  $60^{\circ}$ — $70^{\circ}$  divergentibus; petioli robusti, glabri, 2.5—3 cm. longi. Flores ignoti. Florescentiae paniculatae, circiter 11 cm. longae; fructus ovoideus, 2.5 cm. longus, 1.6 cm. in diam., glaber, brunneus; pericarpio ligneo-crustaceo, 1.5 mm. crasso; arillus ad basin laciniatus; semina ovalia, 1.8 cm. longa; 11 cm. lata.

Southern Yunnan: Cheli Hsien, Gan-lan-ba, in mixed woods, tree 10 m., fruit brown, frequent; Oct. 1938; C. W. Wang 79862 (type).

This species is apparently related to *H. tonkinensis* H. Lec., differing in much larger obovato-oblong to panduriform leaves.

### 2. 长序梗黄得木

乔木,高10米;小枝粗壮,圆柱状,有条纹,几无毛,灰褐色。叶坚纸质,矩圆形,椭圆形,倒卵状矩圆形或阔长圆形,长10—21.5厘米,阔5.5—9厘米,顶端细尖,基部几圆形至阔楔形,无毛,中脉与侧脉在上面扁平,至微凸起,侧脉9—16对,互生或几对生,弯曲,小脉

不显著;叶柄长 1.5—2.5 厘米,无毛,上面有槽。花未发现。果序圆锥状,长约 18 厘米;序梗颇粗壮,长至 10 厘米,枝长至 6 厘米,果梗长至 7 厘米。果卵圆状至矩圆状,长至 3.5 厘米,粗 1.5 厘米;假种皮完整,将种子完全包藏;种子矩圆状,长 2.2 厘米,闊 1 厘米。

云南:允景洪,蜜上,生于混生林中,乔木,高 35 尺,直径 1.5 尺,果绿色;王启无 78572 号(模式标本),1956 年 9 月。

此种与前种相近似,其不同处在于具较小短圆形至椭圆形叶,与较大的圆锥状果序。

***Horsfieldia longipedunculata*, sp. nov.**

Arbor 10 m. alta; ramuli satis robusti, teretes, striati, glabrescentes, cinereo-brunnei. Folia chartacea, oblonga, elliptica, obovato-oblonga vel late ovalia, 10—21.5 cm. longa, 5.5—9 cm. lata, apice apiculata, basi subrotunda vel late cuneata, glabra costa nervisque supra planis vel leviter elevatis, subtus elevatis, nervis lateralibus 9—16-jugis, alternatis vel suboppositis, camptodromis, nervillis inconspicuis; petioli 1.5—2.5 cm. longi, glabri, supra sulcati. Flores ignoti. Infructescentiae paniculatae, circiter 18 cm. longae; pedunculi satis robusti, ad 10 cm. longi; ramuli ad 6 cm. longi; pedicelli 7 mm. longi. Fructus ovoideus vel oblongis, ad 3.5 cm. longis, 1.9 cm. crassis, arillas integer. Semen oblongum, 2.2 cm. longum, 1 cm. latum omnino inclusis.

**Southern Yunnan:** Cheli Hsien, Maan-shan, in mixed woods, tree 12 m., trunk about 5 m. in diam., Sept. 1936, fruit green, C. W. Wang 78572 (type).

Closely allied to the above species, differing in smaller oblong to elliptic leaves and much larger fruiting panicles.

**3. 贵州檫**

乔木,高至 10 米;小枝有条纹,一年生小枝灰色,第二年生小枝暗褐色,几无毛,有微小长圆形皮孔。叶坚纸质,斜卵形,长 9.5—13.5 厘米,顶端骤渐尖,基部斜心脏状截形,边缘有直立具短刺尖头渐尖的齿,上面微亮绿色,无毛,下面有疏生毛与微细星状毛,中脉与侧脉在上面微凸起,下面显著凸起,侧脉 6 对,小脉横门状,第三次与第四次小脉在上面成密网状,在下面只有第三次小脉明显;叶柄长 2—3 厘米,无毛。花未见;花序梗与花梗细瘦,几圆形,无毛;花序苞短于聚繖花序,窄矩圆形,顶端钝,基部通常渐窄,长 6.5—8 厘米,闊 1—1.2 厘米,有短柄,附着于花序梗的中部。果球形,直径 8 毫米,有突头,肋不明显,密生小疣状突起,具有极短的花柱,密生极短的灰白色茸毛。

**贵州:** 遵义,南黔山,生于向阳山坡密林中,果绿色;川黔队 1000 号(模式标本),1956 年 8 月 17 日。

此种叶形与广东、广西所产的克氏檫 *T. croizatii* Chun et Wang 近似,不同处在于很窄的苞片和球形的果实;与江西、湖南的大齿檫 *T. endochrysea* Hand-Mazz. 福建的歪叶檫 *T. scalenophylla* Ling, 与江西的葡萄叶檫 *T. vitifolia* Hu et Chen, 不同处在于叶有较小的齿。

***Tilia kueichouensis*, sp. nov.**

Arbor ad 10 m. alta; ramuli teretes, striati, hornotini cinerici, annotini atro-brunnei, glabrescentes, lenticellis minutis ovalibus obtecti. Folia chartacea, oblique ovata, 9.5—13.5 cm. longa, apice subito acuminata, basi oblique cordato-truncata, margine argute

serrata dentibus porrectis mucronato-acuminatis, supra nitidulo-viridia, glabra, subtus sparse pilosa et dense minute stellato-puberula, costa nervisque lateralibus 6—jugis supra leviter subtus conspicue elevatis, dense trabeculatis, nervillis tertiariis quaternariisque supra dense reticulatis, subtus nervulis tertiariis solum distinctis; petioli 2—3 cm. longi, glabri. Flores ignoti; pedunculi et pedicelli graciles, subteretes, glabri; bracteae cyma breviores anguste oblongae, obtusae, basi plerumque attenuatae, 6.5—8 cm. longae et 1—1.2 cm. latae, breviter stipitatae,  $\pm$  ad medium pedunculi adnatae. Fructus globosi, 8 mm. in diametro, apiculati, obscure costati, dense verruculosi, stylo brevissimo coronati, tomento brevissimo cinereo-albido dense vestiti.

**Kweichow:** Tsunyi Hsien, Nan-Chien Shan, in dense forest on sunny slope, fruit green; Aug. 17, 1956. Szechuan-Kweichow Exped. 1000 (type).

This species is closely allied to *T. croizatii* Chun et Wang of Kwangtung and Kwangsi in the shape of leaves, differing in very narrow bracts and globose fruits. From *T. endochrysea* Hand.-Mazz. of Hunan and Kiangsi, *T. scalenophylla* Ling of Fukien and *T. vitifolia* Hu et Chen of Kiangsi it differs in the much less pronounced dentation of the leaves.

#### 4. 云南玉蕊

乔木, 高至 15 米; 小枝粗壮, 有条纹, 几无毛。叶坚纸质, 倒卵状矩圆形至倒披针形, 长至 36 厘米, 阔 8—12 厘米, 顶端陡渐尖, 基部楔形, 几全缘或有不明显疏生圆锯齿, 无毛, 中脉在两面皆凸起, 侧脉几对生或互生, 至近边缘处网结, 以  $60^\circ$  角开展, 小脉成横门状, 凸起; 叶柄长 2.5—4.5 厘米, 基部增厚, 无毛。总状花序长 80—120 厘米; 序轴粗 4 毫米; 花梗长至 6 毫米, 颇粗壮, 有长毛。花白色, 花萼裂片 2 个, 几圆形, 直径 12 毫米, 外面有疏生毛, 边缘加厚, 有粉状毛; 花托有粉状毛; 花瓣未见; 花柱丝状, 长至 5 厘米。果椭圆形, 长至 6 厘米, 粗 3.5 厘米, 紫绿色。

**云南:** 河口, 南溪, 小南溪, 生于密林中, 乔木, 高至 15 米, 直径 15 厘米; 中苏采集队 2745 号 (模式标本), 1956 年 6 月 8 日; 允景洪, 蛮雅, 生于混合林中, 乔木, 高 10 米, 直径 75 厘米, 果绿色, 王启无 79021 号, 1936 年 9 月; 同地, 大猛龙, 生于谷底混合林中, 果大, 果序长, 下垂, 王启无 77875 号, 1936 年 8 月。

此种属于 *Agasta* 组, 与过去认为单生的 *B. asiatica* Kurz 不同处在于有叶柄及带圆细齿的叶, 与特长的总状花序, 甚短的花梗, 甚小的萼片与甚小的椭圆状果。

#### *Barrinonia yunnanensis*, sp. nov.

Arbor usque ad 10 m. alta; ramuli robusti, striati, cinerei, glabrescentes. Folis chartacea, obovato-oblonga vel oblanceolata, ad 36 cm. longa, 8—12 cm. lata, apice subito-acuminata, basi cuneata, margine subintegra vel indistincte sed remote crenulato-serrulata, glabra, costa utraque facie elevata, nervis lateralibus suboppositis vel alternatis, urtinsecus 13—14, sub margine anastomosantibus, sub angulo  $60^\circ$  divergentibus, nervillis trabeculatis, elevatis; petioli 2.5—4.5 cm. longi, basi incrassati, glabri. Racemus 80—120 cm. longus; rachis 4 mm. crassa, longe pilosa. Flores albi; calycis lobi 2 subrotundi, 12 mm. diam., extus sparse pilosi, margine incrassati, puerulenti; receptaculum pulverulentum;

petala ignota; stylus filiformis, ad 5 mm. longus. Fructus ellipsoideus, 6 cm. longus, 3.5 cm. crassus, purpureo-viridis.

**Southern Yunnan:** Hokow, Nanchi, in dense forest, tree 15 m., diam. 15 cm., Sino-Russ. Exped. 2745 (type), June 8, 1956; Cheli hsien, Many, in mixed forest, tree 10 m., diam. 75 cm., fruit green, C. W. Wang 79021, Sept.; same district, Ta-mong-lung, woods, bottom of valley, fruit large, long pendulous; C. W. Wang 77875, Aug. 1936.

This species in the formerly monotypic Section *Agasta* differs from *B. asiatica* Kurz in petiolate, crenulate-serrulate leaves, in much longer racemes with very shortly pedicellate flowers, and in much smaller ellipsoid fruits and fruiting calyx.

### 5. 梭形果玉蕊

大乔木, 高至 30 米, 树干直径达 1 米; 小枝粗壮, 圆柱状, 有条纹, 灰色, 几无毛。叶纸质, 倒卵状椭圆形, 椭圆形至狭椭圆形, 长 7—22 厘米, 闊 3—7.5 厘米, 頂端細尖至短漸尖, 有时圆形或有凹缺, 基部楔形, 边缘微反卷, 全缘, 上面淡绿色, 下面色更淡, 干后上面带白粉而有粉状毛, 下面黄褐色, 几无毛, 中脉两面皆凸起, 侧脉几对生至互生, 14—15 对, 弯曲, 在边缘网结, 以  $60^\circ$  角开张, 小脉在两面成网状; 叶柄长 2—3.5 厘米, 扁平, 无毛。穗状花序长达 100 厘米; 花相距甚远; 花序轴直径 3 毫米, 无毛。花无梗, 白色; 花萼裂片 4 个, 椭圆形, 頂端急尖, 长 1 厘米, 闊 5 毫米, 外面疏生毛; 花瓣 4 个, 圆形, 直径 1.5 厘米; 雄蕊多数; 花柱丝状, 长至 3.5 厘米。果梭形, 基部与頂端微收缩, 长至 10.5 厘米, 直径 3.5 厘米, 褐色。

**云南:** 馬关, 乾沟, 开闢林木边缘, 小乔木, 高 7 米, 直径 10 厘米, 中苏采集队 3313 号 (模式标本), 1956 年 6 月 10 日; 金平, 猛喇, 生于密林中, 小乔木, 中苏采集队 435 号, 1956 年 4 月 13 日; 同地, 在开闢森林中, 乔木, 15 米, 花白色, 中苏采集队 447 号, 1956 年 4 月 13 日; 同地, 分水老岑, 生于开闢林木中, 乔木, 高 10 米, 直径 14 厘米, 中苏采集队 1161 号, 1956 年 5 月 11 日; 允景洪, 生于混生林中, 乔木, 高 30 米, 直径 1 米, 木材红白色, 果绿色, 王启无 79495 号, 1936 年 10 月。

此种属于 *Doxomma* 组, 与 *B. annamica* Gagn. 相近似, 不同处在于其全缘叶有較短的叶柄, 椭圆形的花萼裂片与无翅的果。

### *Barringtonia fuscarpa*, sp. nov.

Arbor magna ad 30 m. alta, trunco 1 m. diam.; ramuli robusti, teretes, striati, cineriei, glabrescentes. Folia chartacea, obovato-elliptica, elliptica vel anguste elliptica, 7—22 cm. longa, 3—7.5 cm. lata, apice apiculata vel breviter acuminata, nonnumquam rotunda vel emarginata, basi euneata, margine leviter revoluta et integra, supra pallide viridia, subtus pallidiora, sicco supra glaucescentia et pulverulenta, subtus fulvo-brunnea, glabrescentia, costa utraque facie elevata, nervis lateralibus suboppositis vel alternatis, 14—15-jugis, ad marginem anastomosantibus, sub angulo  $60^\circ$  divergentibus, venulis utraque facie reticulatis; petioli 2—3.5 cm. longi, plani, glabri. Spica ad 100 cm. longa, remoti-flora; rachis 3 mm. diam., glabra. Flores sessiles, albi; calycis-lobi 4, elliptici, acuti, 1 cm. longi, 5 mm. lati, extus sparse pilosi; petala 5, rotunda, 1.5 cm. diam.; stamina numerosa; stylus filiformis, ad 3.5 cm. longus. Fructus fusiformis, basi apiceque subcontractus, ad 10.5 cm. longus, 3.5 cm. diam., brunneus.

**Southern Yunnan:** Makuan, Kan-gau, border of open woods, small tree 7 m., diam. 10 cm., Sino-Ross.

Exped. 3313 (type), June 10, 1956; Ginping Hsien, Mengla, in dense forest, small tree, 5 m., Sino-Ross. Exped. 435, Apr. 13, 1956; same locality, in open woods, tree 15 m., flowers white; Sino-Ross. Exped. 447, Apr. 13, 1956; same district, Feng-sui-lao-ling, in open woods, tree 10 m., diam. 14 cm., Sino-Ross. Exped. 116, May 11, 1956; Cheli Hsien, Kuanger, in mixed forest, tree 30 m., diam. 1 m., wood reddish-white, fruit green C. W. Wang 79495, Oct. 1936.

This species of the Section *Doxomma* is closely related to *B. annamica* Gagn., differing in entire leaves with shorter petioles and elliptic calyx-lobes. It also resembles *B. cochinchinensis* Merr. which, however, has winged fruits.

## 6. 宜丰榉木

乔木, 高 8 米, 树干直径 12 厘米, 树皮灰褐色; 小枝圆柱形, 密生星状细柔毛, 红褐色。叶脱落, 膜质, 倒卵状椭圆形, 长 7—12 厘米, 阔 4.5—6 厘米, 顶端骤渐尖, 基部几楔形至几圆形, 边缘微卷有疏生具小突尖细齿, 上面深绿色而有星状毛, 下面色较淡而除沿中脉与侧脉有细毛外余无毛, 中脉与侧脉在上面微凸起, 在下面显著凸起, 侧脉互生至几对生, 弯曲, 近边缘处环结以  $45^\circ$  角分歧; 叶柄长 6—10 毫米。花未见。未全熟的果实淡绿色, 陀螺形, 近基部处收缩, 长 2.5—3 厘米, 直径约 1.3 厘米, 花萼增大, 钝而有肋, 与外果皮密切连合至  $2/3$  处, 其分离的部分有钝尖头, 与花萼皆密生星状茸毛; 果梗长 1 厘米, 有星状细茸毛。

**江西西北部:** 宜丰, 生山坡上, 乔木高 8 米, 少见; 熊杰 4368 号 (模式标本), 1957 年 7 月 10 日。

此种与亦产于江西南部之榉木 *M. xylocarpum* Hand.-Mazz. 相近似之处在其倒卵状椭圆形之叶, 不同处在远为较小之陀螺形的果。

## *Melioidendron jifungense*, sp. nov.

Arbor 8 m. alta, trunco 12 cm. in diam., cortice cinereo-brunneo; ramuli teretes, dense stellato-puberuli, rubro-brunnei. Folia decidua, membranacea, obovato-elliptica, 7—12 cm. longa, 4.5—6 cm. lata, apice subito-acuminata, basi subcuneata vel subrotunda, margine leviter revoluta et remote minute mucronulato-denticulata, supra intense viridia et stellato-pilosa, subtus pallidiora et praeter costam nervosque pilosula cetera glabra, costa nervisque supra leviter subtus prominente elevata, nervis lateralibus alternatis vel suboppositis, ad marginem anastomosantibus, sub angulo  $45^\circ$  divergentibus; petioli 6—10 mm. longi. Flores ignoti. Fructus non satis maturus, pallide viridis, turbinatus, ad basin contractus, 2.5—3 cm. longus, circiter 1.3 cm. in diam., calyce accreto obtuse costato  $2/3$  tectus, parte libera obtuse apiculata, sicut calyx dense stellato-tomentulosa; pedicelli 1 cm. longi, stellato-tomentulosi.

**Northwestern Kiangsi:** Jifung Hsien, on slope, tree 8 m. high, rare; C. Hsiung 4368 (type), July, 10, 1959.

This species differs from *M. xylocarpum* Hand.-Mazz., which is also found in southern Kiangsi, in obovate-elliptic leaves, and much smaller turbinate (immature) fruits.